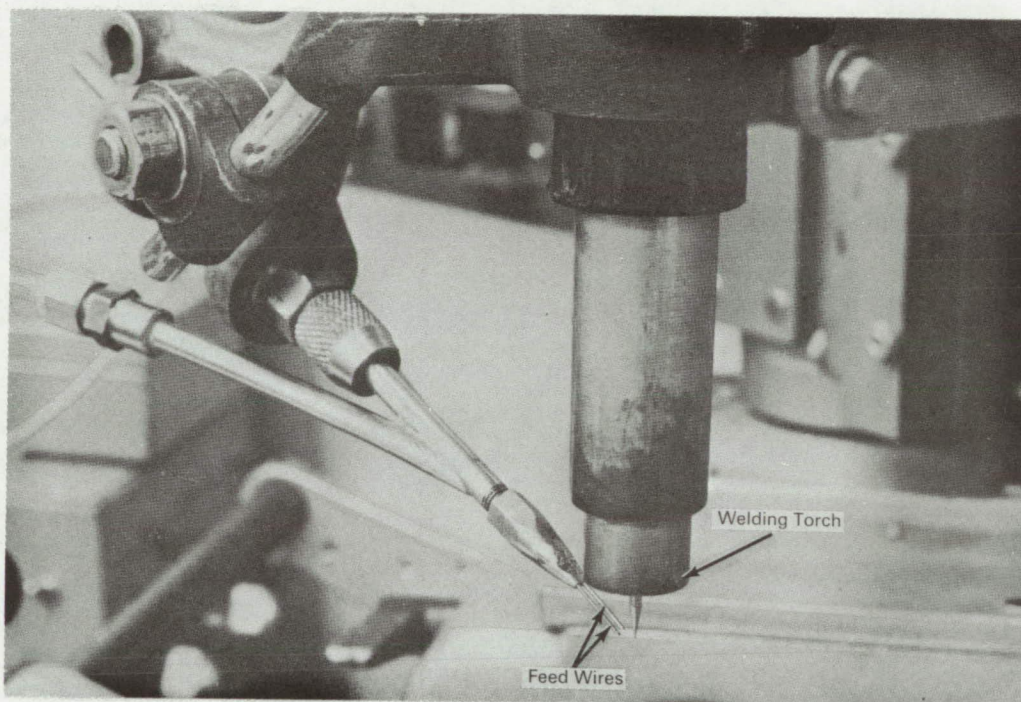


NASA TECH BRIEF



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Dual Wire Weld Feed Proportioner



A dual feed mechanism has been devised to enable proportioning of two different weld feed wires during automated TIG welding to produce a weld alloy deposit of the desired composition. The wires are fed into the weld simultaneously, each wire having an independently controlled feed system. The relative feed rates of the wires and the wire diameters determine the composition of the weld deposit.

This system would be useful in shops or laboratories having need for special weld alloys on short notice or in limited quantities. It should be especially useful for experimentation and development to establish suitable weld alloy compositions.

Note:

Details may be obtained from:
Technology Utilization Officer
Marshall Space Flight Center
Huntsville, Alabama 35812
Reference: B68-10332

Patent status:

No patent action is contemplated by NASA.

Source: R. E. Nugent
of North American Rockwell Corporation
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Category 05